

IN THE SPECIFICATION

Please amend the specification as follows:

At col. 4, line 10 after "form" revise the text as follows:

Insert --in a deployed configured for treatment--

At col. 4, line 10 after "forms" revise the text as follows:

Insert --in a non-deployed configuration--

IN THE CLAIMS

Please amend the claims as set forth herein below:

Cancel claims 22, 26, and 27 without prejudice.

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6. (Twice Amended) Apparatus for post-treatment of a stenosed region of an artery that has been reduced by angioplasty or other procedure comprising:

radioactive dose means for emitting radiation; and

a device having a cut-out positioned in spaced relation to the dose means; and

positioning means operatively connected to said device for advancing said device and dose means within the stenosed region of an artery that has been reduced by angioplasty or other procedure, said positioning means also being operatively connected to said device and dose means for positioning the device and dose means between a first position and a second position, wherein in the first position the dose means is positioned within the stenosed region of the artery in a non-deployed configuration and a second position wherein the dose means is exposed to the stenosed region of the artery through the cut-out defined in the device in a deployed configuration for treating at least a portion of the stenosed region of the artery, said positioning means being operatively connected to said device and dose means for withdrawing said device and dose means

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from the artery after said radioactive dose means is exposed to the stenosed region for a period of time sufficient to reduce restenosis of the stenosed region.

10. (Twice Amended) Apparatus for post treatment of a stenosed region of an artery that has been reduced by angioplasty or other procedure comprising:

a radiation source; and

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a catheter having at least one lumen adapted to deliver said radiation source within the stenosed region of an artery that has been reduced by angioplasty or other procedure, said catheter also being adapted to at least partially reposition relative to the radiation source for treatment when positioned within the stenosed region of an artery to position a portion of the catheter in contact with the stenosed region and the radiation source in close proximity to, but not in contact with the stenosed region of the artery, the catheter being adapted to at least partially reposition to withdraw said radiation source from the artery after said radiation source is exposed to the stenosed region for a period of time sufficient to reduce restenosis of the stenosed region.

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17. (Twice Amended) The apparatus of Claim 6 [10] wherein the radiation source provides a radiation dose to the stenosed region through a window in the catheter.

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19. (Twice Amended) The apparatus of Claim 10, wherein the catheter includes a balloon [for repositioning a stent, the stent including a radiation source is] capable of reducing the stenosed region and simultaneously performing the post-treatment by forcing a balloon into contact with a lesion, the balloon being inflated by a fluid having the radiation dose means incorporated therein.

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20. (Amended) The apparatus of claim 6, wherein the radioactive dose means for emitting radiation is positioned within the device, the device defining a housing wherein in the first position

135 the dose means is [at least partially enclosed within the housing and] shielded from treating the stenosed region and in a second position the housing is deployed to at least partially expose the dose means to the stenosed region of the artery.

21. (Amended) The apparatus of claim 20, wherein in the second deployed position a sheath [the housing] is withdrawn relative to the dose means positioned in the stenosed region to expose the stenosed region to the dose means.

136 23. (Amended) The apparatus of claim 20, wherein the housing defines a window and a cover for the window [and the positioning means includes a remote actuation mechanism for the cover] such that in the second position the window is open and exposing the stenosed region to the dose means.

24. (Amended) The apparatus of claim 10 [6] wherein the catheter includes a balloon with [a portion of the device containing] radioactive dose means for emitting radiation incorporated into and enclosed within the material of the balloon and the balloon is expanded in the second deployed configuration positioning the balloon [dose means] at least partially in contact with the stenosed region of the artery

Please add the following new claims:

28. (New) The apparatus for post treatment of a stenosed region of claim 17, wherein the dose means is a liquid.

137 29. (New) The apparatus for post treatment of a stenosed region of claim 17, wherein the dose means is a gas.

30. (New) The apparatus for post treatment of a stenosed region of claim 24, wherein the dose means incorporated into the balloon material is a solid.